

FIG. 1

A

# ANCESTRAL TRACE FOR AMISH STUDY BIPOLAR PEDIGREES

PROGENITOR  
CIRCA 1750

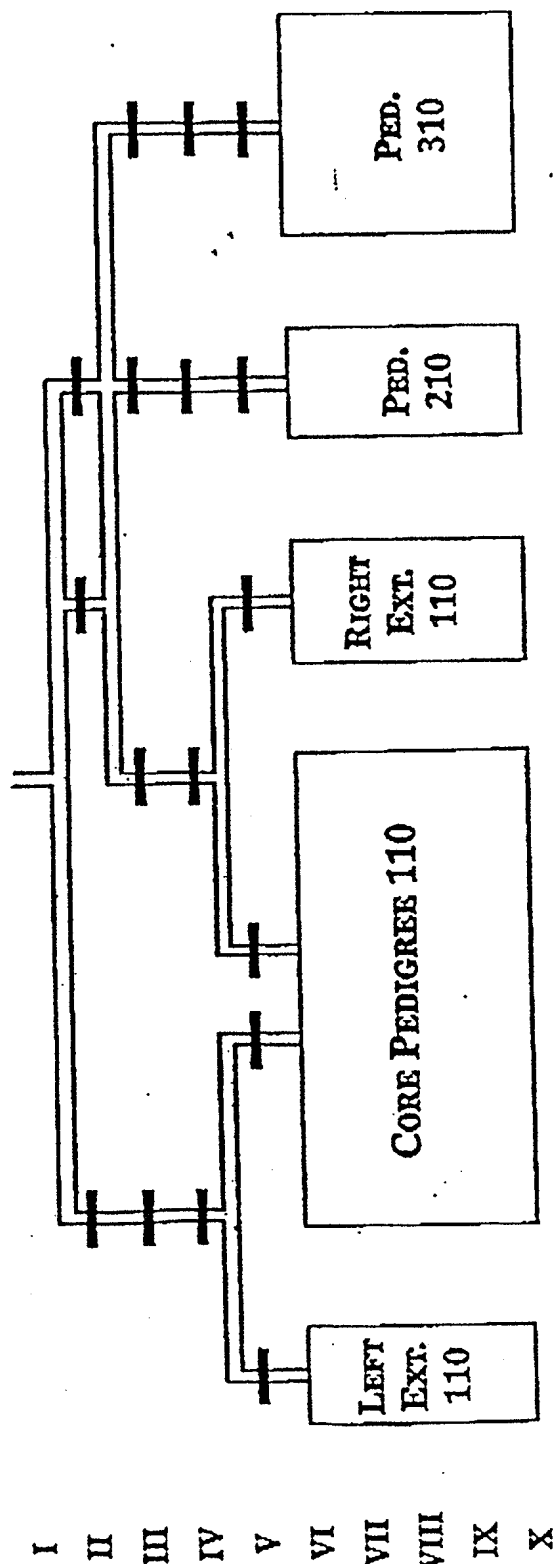


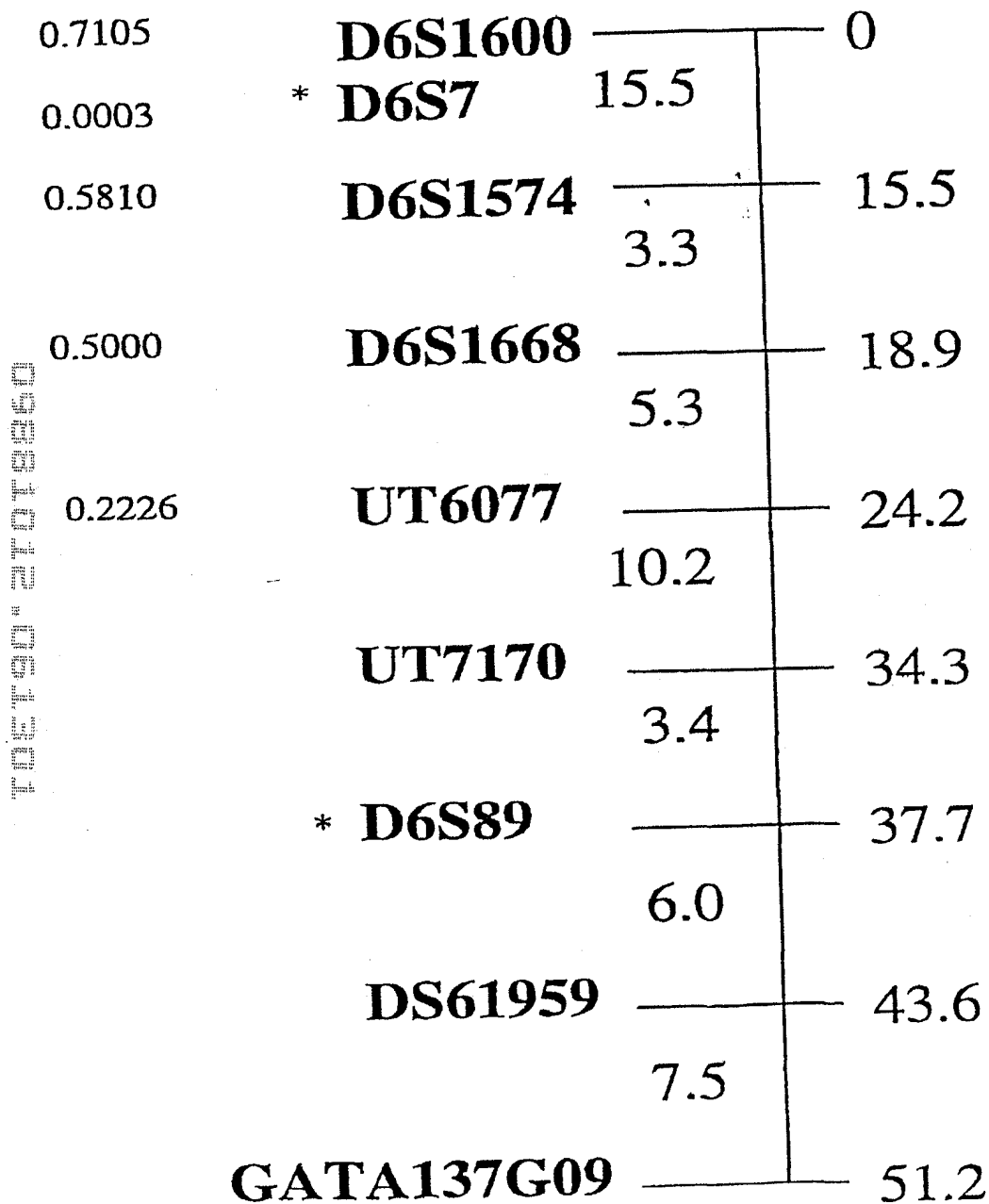
FIG. 2



CLASS BOUNDS

MAX LOD SCORES

SIBPAL  
P



\* = NG markers/values

Figure 3

**SIBPAL P**

	D13S56h1	0.0
	0.0	
	D13S56h2	0.0
	11.6	
0.0865	* D13S291	11.6
	D13S37	6.8
	GATA125CO4	18.4
0.0171	* D13S218	2.8
0.4336	D13S894	21.2
	6.1	
	* D13S1m	27.3
0.0003	0.0	
	* D13S1t	27.3
	5.2	
0.4905	* D13S171	32.5
	3.8	
0.1593	D13S260	36.3
	10.4	
	D13S221	46.7
	6.5	
	D13S232	53.2

Figure 4

SIBPAL P

	D15S114		0.0
		11.1	
0.1449	299yf		11.1
		5.8	
0.0411	D15S131		16.8
		7.8	
0.2091	D15S153		24.6
		7.6	
0.0114	* D15S36		32.2
0.0003	* D15S45		
0.0433	D15S159	1.5	
0.0217	* D15S148		33.6
0.1020	135yc	1.4	
	D15S1033		35.0
	D15S150		
	D15S38	1.7	
	* D15S117		36.7
		5.6	
	GATA153F11		42.3
		5.1	
	D15S962		47.4
	D15S48ml		
		1.2	
	189yc		48.6
		2.4	

Figure 5

SIBPAL P value

	D4S412		0.0
0.5241	D4S2935	13.6	13.6
	D4S431	1.2	14.8
	D4S431a	0.9	15.7
0.0002	D4S2366	1.0	16.7
	D4S394a	3.2	19.8
0.0015	D4S3007	2.1	
0.0035	D4S394		21.9
0.0000	D4S2949	9.4	31.3
0.0626	D4S1605	2.5	
0.0005	D4S1582		33.8
	D4S107m	0.5	
	D4S403		34.3
		7.6	
0.0002	D4S419		41.9
		6.2	
0.0004	D4S404		48.1
		6.6	
	D4S391		54.7
		12.1	
	D4S405		66.8

Figure 6

4p Locus

[illegible]

49 Heam (Ng 96)

Figure 7

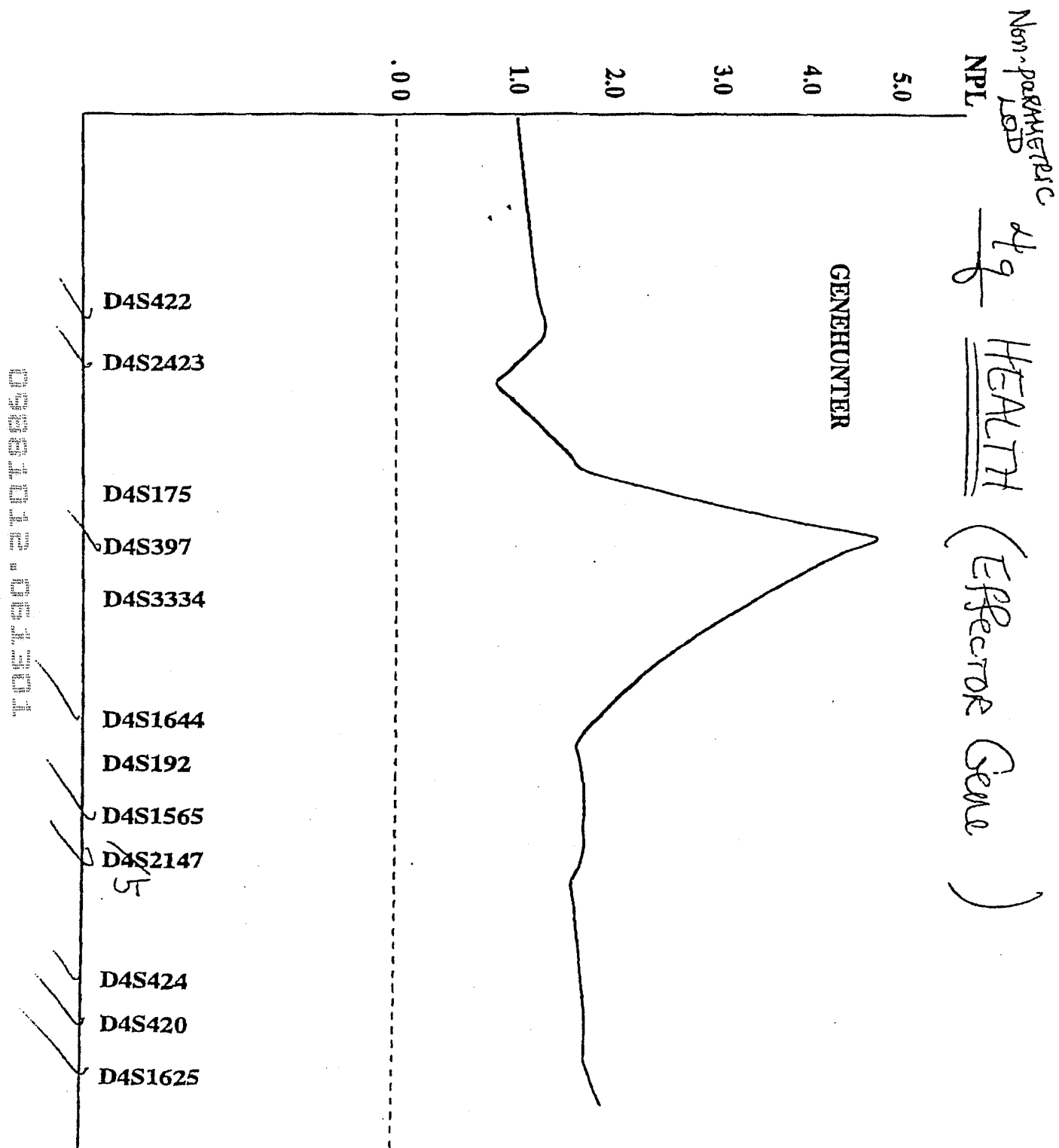


Figure 8



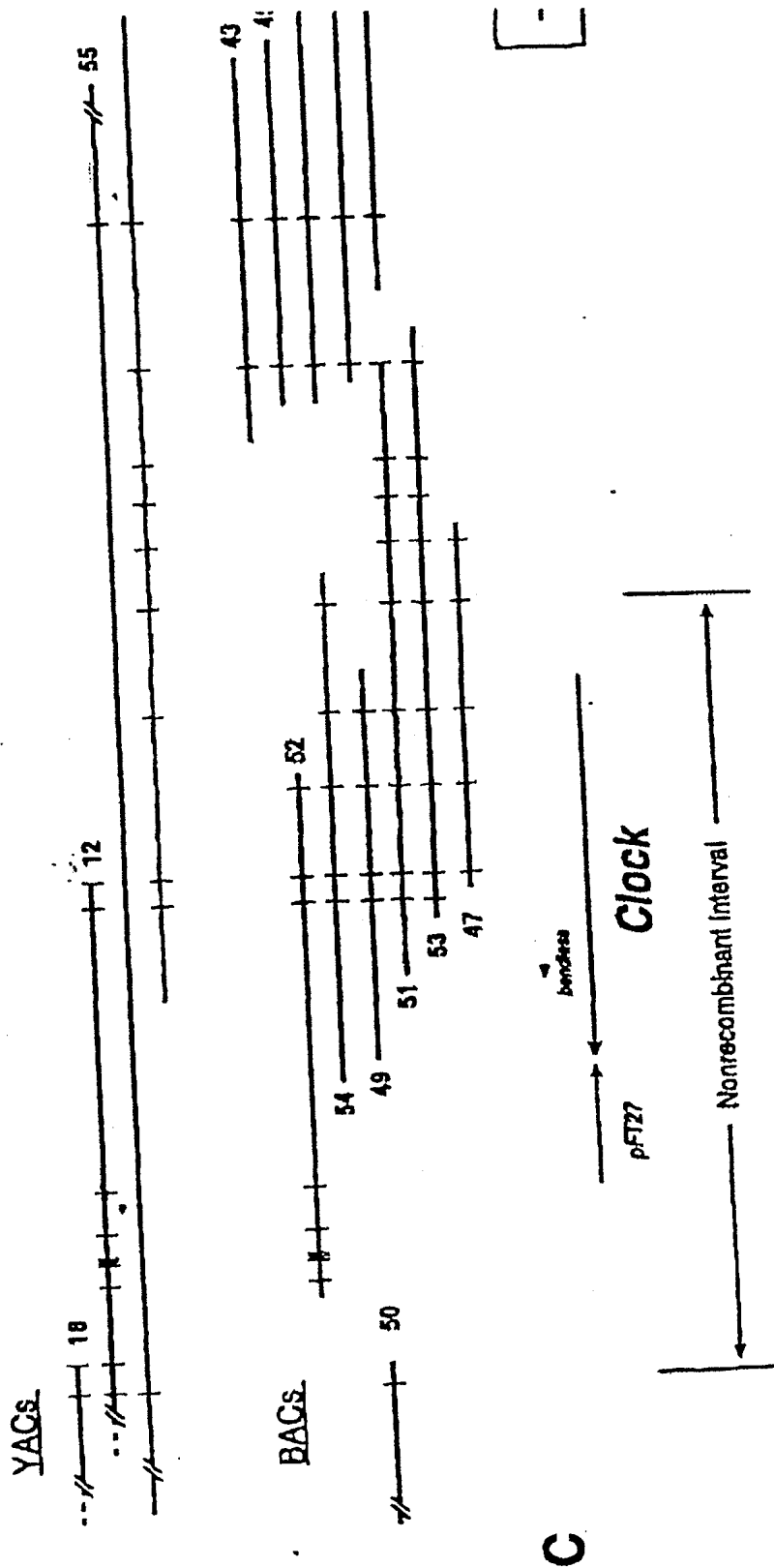
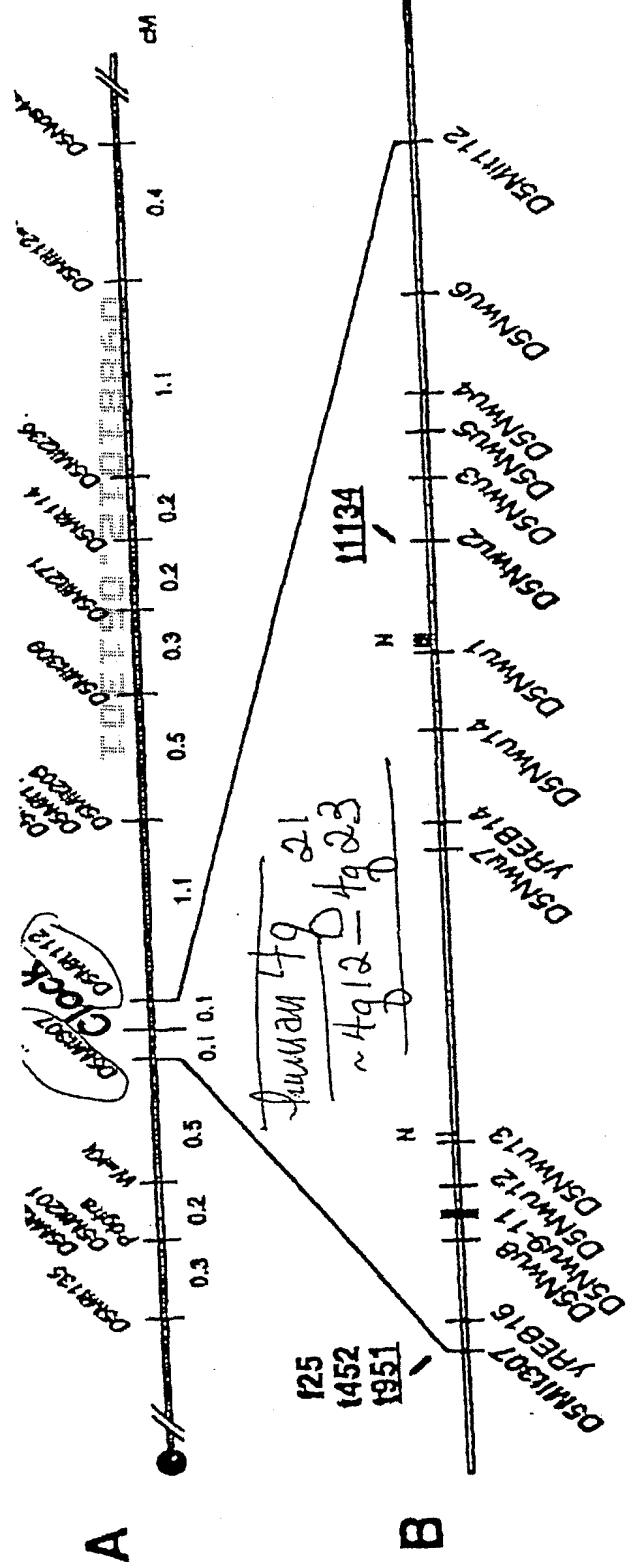


Figure 9

# AMISH STUDY BIPOLAR PEDIGREE EXTENSIONS

PROGENITOR

1700-1750

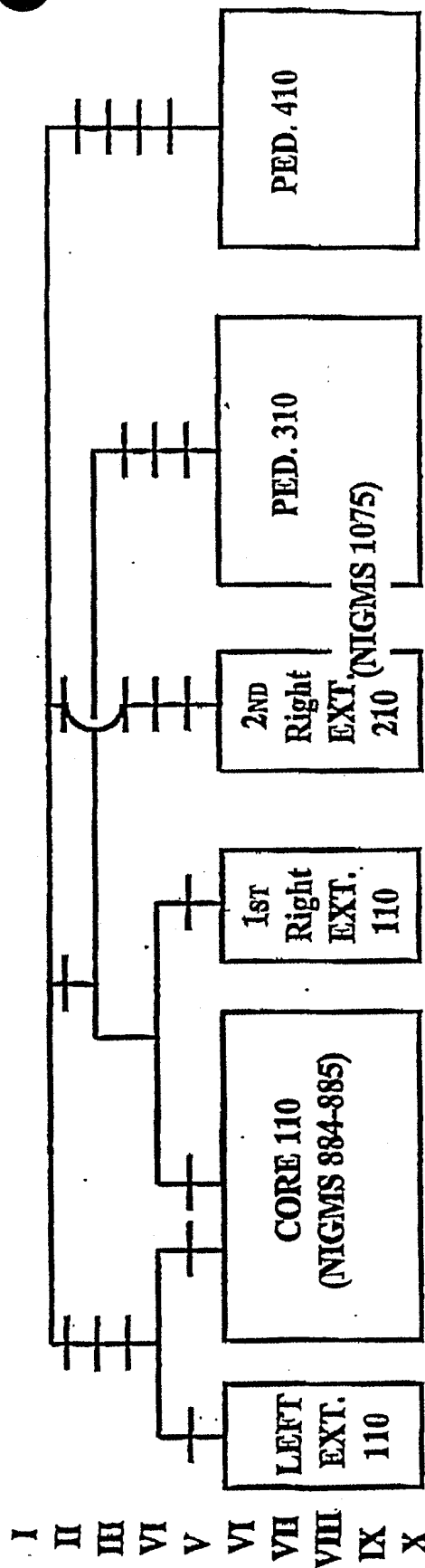


Figure 10

1000 900 800 700 600 500 400 300 200 100 0

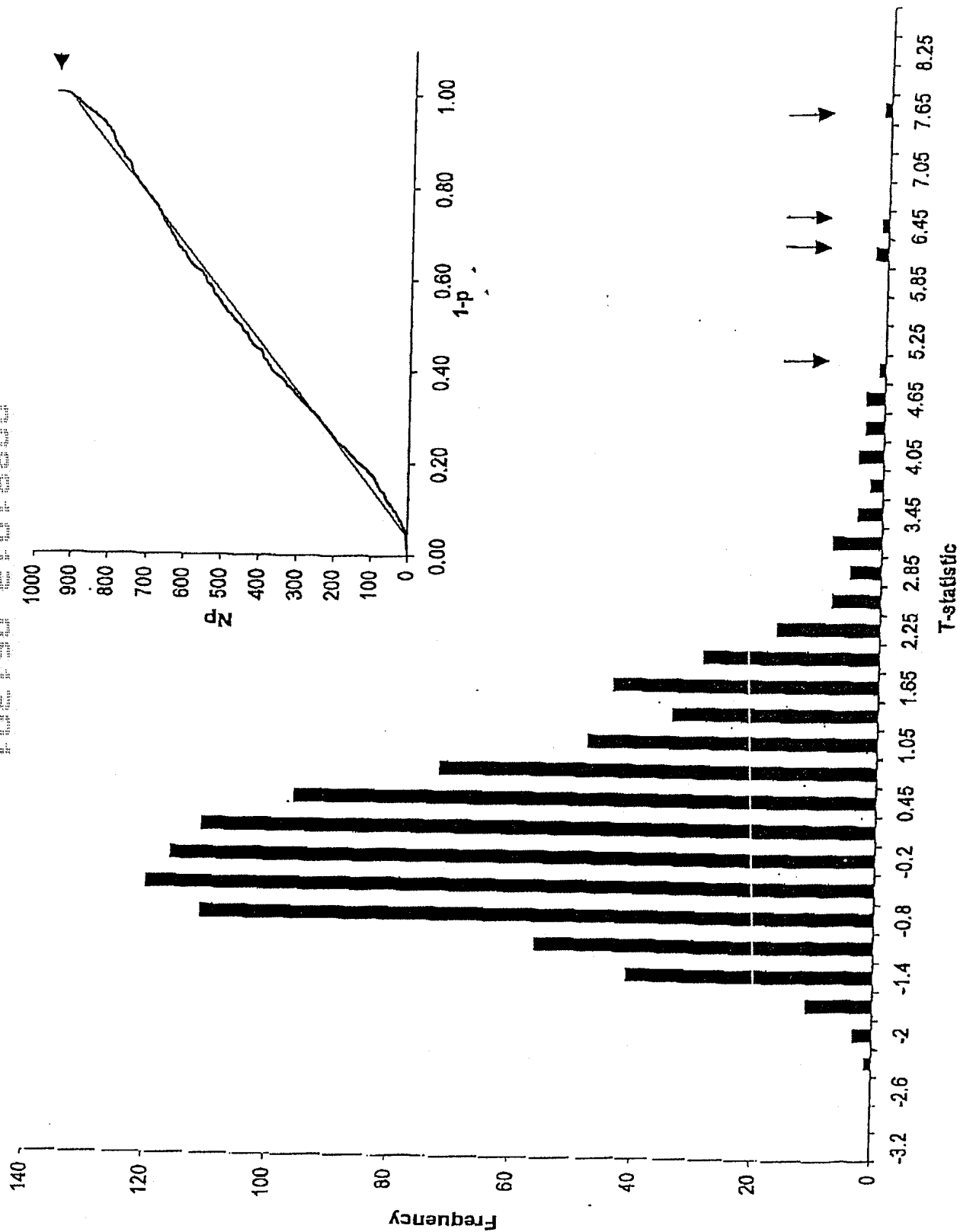


Figure 11

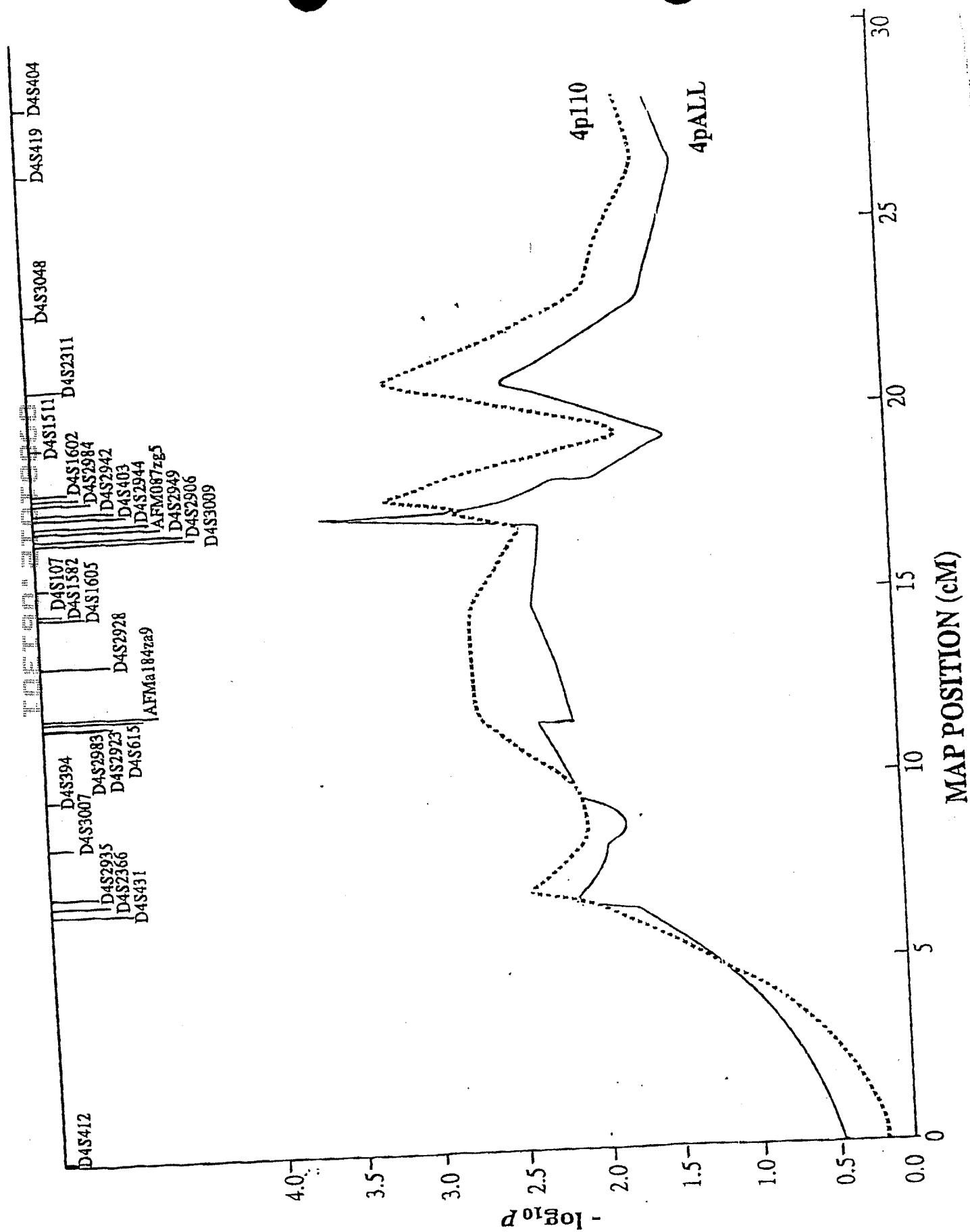


Figure 12A

REF ID: A703360

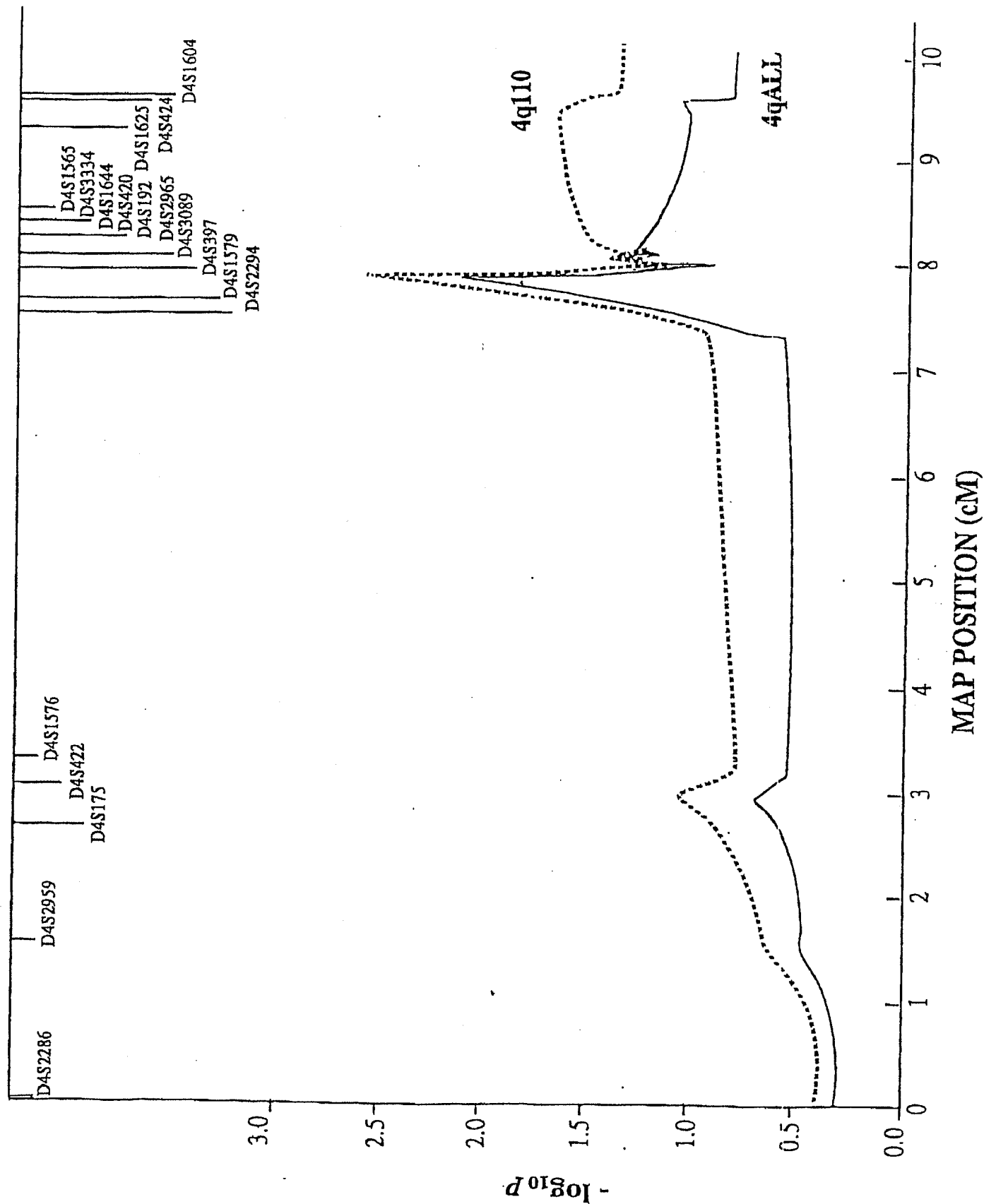


Figure 12B